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[BOOK] A language modeling approach to information retrieval - [all 9 versions »](#)

JM Ponte, WB Croft - 1998 - ACM Press New York, NY, USA

... The task Kalt investigated was **text** classification. ... Basic **Model** We now try to improve our **probability** estimates since, according to our **model**, this should ...

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[PDF] [Focused Crawling: A New Approach for Topic-Specific Resource Discovery](#) - [all 38 versions »](#)

»

S Chakrabarti, M van den Berg, B Dom - WWW Conference, 1999 - cse.iitb.ac.in

... is generated by a category we use the followin Bernoulli document **model** for **text**. ...

Each face of the coin represents a word; the **probability** that the face ...

[Cited by 735](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[A hidden Markov model approach to text segmentation and eventtracking](#)

JP Yamron, I Carp, L Gillick, S Lowe, P van ... - Acoustics, Speech, and Signal Processing, 1998.

ICASSP'98. ..., 1998 - [ieeexplore.ieee.org](#)

... T. There is a language **model** associated with ... to itself (the "self- loop" **probability**), which implicitly ... Given a **text** stream, a **probability** can be attached ...

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[PDF] [A comparison of event models for naive bayes text classification](#) - [all 25 versions »](#)

A McCallum, K Nigam - AAAI-98 Workshop on Learning for Text Categorization, 1998 - ece.ut.ac.ir

... document, and selecting the class with the highest **probability**. ... This method works well with **text** and has ... that the multi- nomial event **model** usually performs ...

[Cited by 809](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Statistical Models for Text Segmentation](#) - [all 18 versions »](#)

D Beeferman, A Berger, J Lafferty - Machine Learning, 1999 - Springer

... a technique that uses co-occurrence data to map a query **text** into semantically ... The idea is to construct a **model** that assigns a **probability** to the end ...

[Cited by 226](#) - [Related Articles](#) - [Web Search](#)

[PS] [A neural network approach to topic spotting](#) - [all 5 versions »](#)

E Wiener, JO Pedersen, AS Weigend - Proceedings of the Fourth Annual Symposium on Document ..., 1995 - [citeseer.comp.nus.edu.sg](#)

... in more detail two recent **text** categorization studies ... fairly simple condi- tional **probability model** and another ... arate classier was constructed for each **topic**. ...

[Cited by 300](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Text Segmentation by Topic](#) - [all 10 versions »](#)

JM Ponte, WB Croft - Research and Advanced Technology for Digital Libraries: ..., 1997 - [books.google.com](#)

... is scored as a function of the **probability** that the ... **model** produced the block and the background **model** produced the ... other hand, is to segment the **text** by **topic** ...

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[... of intrahepatic cancers with radiation doses based on a normal tissue complication \*\*probability model\*\* - all 5 versions »](#)

CJ McGinn, RK Ten Haken, WD Ensminger, S Walker, S ... - Journal of Clinical Oncology, 1998 - jco.ascopubs.org

... Although the observed complication **probability** is within the confidence ... our **model**, it is possible that this **model** overestimates the ... Abstract] [Full Text] [PDF], ...

[Cited by 56](#) - [Related Articles](#) - [Web Search](#)

[\[PS\] Multi-label \*\*text\*\* classification with a mixture \*\*model\*\* trained by EM - all 7 versions »](#)

A McCallum - AAAI'99 Workshop on Text Learning, 1999 - cs.cmu.edu

... is the problem of assigning a **text** document into one ... and then expanding the mixture **model** gives: P ... is performed by calculating the posterior **probability** of each ...

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[Term-weighting approaches in automatic \*\*text\*\* retrieval - all 7 versions »](#)

G Salton, C Buckley - Information Processing and Management: an International ..., 1988 - portal.acm.org

... Chien, Auto-generation of **topic** hierarchies for ... Youngjoong Ko , Jungyun Seo, **Text** categorization using ... HQ Ding, A similarity-based **probability model** for latent ...

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MJ Beal, Z Ghahramani, CE Rasmussen - Advances in Neural Information Processing Systems, 2002 - 24.14.41.210

Page 1. The Infinite **Hidden Markov Model** ... in detail the HDP model for **transitions** and emissions for an infinite-**state HMM**. 3.1 Hidden **state transition** mechanism ...

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**A hidden Markov model for modelling long-term persistence in multi-site rainfall time series 1. ... - all 5 versions »**

M Thyer, G Kuczera - Journal of Hydrology, 2003 - Elsevier

... rainfall data was generated using the **HMM** with the ... hence different wet and dry **state** covariance matrices ... shows the values used for the **transition** probabilities ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

**A dynamic hmm for on-line segmentation of sequential data - all 14 versions »**

J Kohlmorgen, S Lemm - Advances in Neural Information Processing Systems, 2001 - books.nips.cc

... c-path that ends in a pdf **state** s from ... this has lower costs despite of the incurred additional **transition**. ... in the data and cause the removal of **HMM** states with ...

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**The Infinite Hidden Markov Model**

MJBZG Carl, E Rasmussen - books.nips.cc

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**[PDF] Q. NH Transition Matrix for non-homogeneous Hidden Markov Model - all 5 versions »**

Q NH, O Rueda, R Diaz-Uriarte - The RJaCGH Package - cran.active.co.il

... of 1/number of hidden **state** when the ... value returned A matrix with the **transition** probabilities for ... function fits a non-homogeneous **hidden Markov model** to CGH ...

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**[PDF] Gene Expression Time Course Clustering with Countably Infinite Hidden Markov Models - all 2 versions »**

MJ Beal, P Krishnamurthy - 24.14.41.210

... indexes a specific row of the **transition** matrix, with ... not suffer from the countably infinite **state** space ... For the HDP-**HMM**, the auxiliary variable Gibbs sampling ...

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**Modeling Temporal Structure in Classical Conditioning - all 20 versions »**

AC Courville, DS Touretzky - Advances in Neural Information Processing Systems 14: ..., 2002 - books.google.com

... of parameter  $a_{ij}$ . The **hyperparameter**  $v_{jk}$  ... of Gaussians, and a very restrictive **state transition** structure, a **hidden Markov model** can integrate the ...

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**Combined Linear Regression Adaptation and Bayesian Predictive Classification for Robust Speech ... -**

[all 2 versions »](#)

JT Chien - Seventh European Conference on Speech Communication and ..., 2001 - ISCA

...  $\phi$  R g is the prior pdf with **hyperparameter**  $\phi$  ... t t s s a 1 – is the **state transition** probability ... In linear regression adaptation, the extended **HMM** mean vector ...

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[Predictive Hidden Markov Model Selection for Decision Tree \*\*State Tying\*\*](#) - [all 2 versions »](#)

JT Chien, S Furui - Eighth European Conference on Speech Communication and ..., 2003 - ISCA

... **HMM** parameters  $\lambda$  consist of the initial **state** probabilities  $\{ \pi_i \}$ , **transition** probabilities  $\{ t_{ij} \}$  and d-variate mixture Gaussian parameters ...

[Cited by 1](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\] Application of variational Bayesian approach to speech recognition](#) - [all 7 versions »](#)

S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 - kecl.ntt.co.jp

... **transition** probability from **state**  $i$  to **state**  $j$ , and  $c_{jk}$  is ... mixture for **state**  $j$ .

$b_{jk} (= N(\mathbf{O}_t | \mu_{jk}, \Sigma_{jk})$  ...  $J$  denotes the number of states in an **HMM** and  $L$  ...

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[Structural MAP speaker adaptation using hierarchical priors](#)

K Shinoda, CH Lee - Automatic Speech Recognition and Understanding, 1997. ..., 1997 - ieeexplore.ieee.org

 ... The resulting transformation **parameter**, corresponding to each **HMM parameter**, is a ... are calculated using a hierarchical **Bayes** analysis to ... **hyper-parameter** for qk. ...

[Cited by 58](#) - [Related Articles](#) - [Web Search](#)
[\[PDF\] Rao-Blackwellised particle filtering for dynamic Bayesian networks - all 19 versions »](#)

A Doucet, N de Freitas, K Murphy, S Russell - Proceedings of the Sixteenth Conference on Uncertainty in ..., 2000 - mne.psu.edu

 ... imputed, cf, cutset conditioning in static **Bayes** nets (Pearl ... as the Kalman filter, the **HMM** filter, the ... 2000), fixed **parameter** estimation (Kong, Liu and Wong ...

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[An introduction to hidden Markov models and Bayesian networks - all 10 versions »](#)

Z Ghahramani - International Journal of Pattern Recognition and Artificial ..., 2001 - worldscinet.com

 ... A third assumption of the **hidden Markov model** is that the hidden state ... in HMMs and to formulate natural extensions to the **HMM**. 3. A **Bayesian** Network Tutorial ...

[Cited by 79](#) - [Related Articles](#) - [Web Search](#)
[A robust speaker clustering algorithm - all 13 versions »](#)

J Ajmerna, C Wooters - Automatic Speech Recognition and Understanding, 2003. ASRU' ... - ieeexplore.ieee.org

 ... is based on an ergodic **hidden Markov model (HMM)** formalism where ... number of **parameters** in the **HMM** decreases. ... models is to use the **Bayesian** Information Criterion ...

[Cited by 66](#) - [Related Articles](#) - [Web Search](#)
[On-line adaptive learning of the correlated continuous densityhidden Markov models for speech](#)
[... - all 7 versions »](#)

Q Huo, CH Lee - Speech and Audio Processing, IEEE Transactions on, 1998 - ieeexplore.ieee.org

 ... Recently, **Bayesian** learning of **hidden Markov model (HMM) parameters** has been proposed and adopted in a number of adaptive speech recognition applications (eg ...

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[Discovering Dynamics Using Bayesian Clustering - all 9 versions »](#)

P Sebastiani, M Ramoni, P Cohen, J Warwick, J ... - Advances in Intelligent Data Analysis: Third International ..., 1999 - books.google.com

... time series of sensor data, our **HMM** method learns a ... the observed frequencies ny by the **hyper-parameters** ay so ... By **Bayes'** Theorem, the posterior probability of Mc ...

[Cited by 28](#) - [Related Articles](#) - [Web Search](#)

[PDF] [Application of variational Bayesian approach to speech recognition](#) - all 7 versions »

S Watanabe, Y Minami, A Nakamura, N Ueda - Advances in Neural Information Processing Systems, 2003 - kecl.ntt.co.jp

... acoustic modeling, a triphone-based **hidden Markov model** (triphone **HMM** ... of SST-HMMs (clustering triphone **HMM** states) based on a variational **Bayesian** (VB) ap ...

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[PDF] [Logos: A modular bayesian model for de novo motif detection](#) - all 13 versions »

EP Xing, W Wu, MI Jordan, RM Karp - Journal of Bioinformatics and Computational Biology, 2004 - cs.berkeley.edu

... **Bayesian** model; Dirichlet prior; **hidden Markov model**; variational inference. ... uses a newly designed **HMM** that we ... is developed for efficient **Bayesian** learning and ...

[Cited by 36](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[Bayesian time series classification](#) - all 9 versions »

P Sykacek, S Roberts - Advances in Neural Information Processing Systems 14: ..., 2002 - books.google.com

... setup that is consistent with **Bayesian** theory ([BS94 ... a Gaussian and Multinomial observation **hidden Markov model** or GMOHMM ... the hidden states of the **HMM**; i, are ...

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### [Introducing \*\*Markov chain\*\* Monte Carlo](#)

WR Gilks, S Richardson, DJ Spiegelhalter - **Markov Chain** Monte Carlo in Practice, 1996 - books.google.com

... Thus the Metropolis—Hastings algorithm is extremely simple: **Initialize**  $X_0$ ; set

I ... 8 INTRODUCING **MARKOV CHAIN** MONTE CARLO The left-hand side of equation (1.6 ...

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### [Markov Chain Sampling Methods for Dirichlet Process Mixture Models - all 17 versions »](#)

RM Neal - Journal of Computational and Graphical Statistics, 2000 - JSTOR

... to the posterior distribution was found by applying 100 iterations of Algorithm

5 with  $R = 5$ . This state was then used to **initialize** the **Markov chain** for each ...

[Cited by 214](#) - [Related Articles](#) - [Web Search](#)

### [Markov chain Monte Carlo methods for stochastic volatility models - all 16 versions »](#)

S Chib, F Nardari, N Shephard - Journal of Econometrics, 2002 - Elsevier

... Inference on the parameters is conducted by producing a sample  $\{\psi(g), h(g)\}$  from

this density by a **Markov chain** Monte Carlo (MCMC ... **Initialize**  $\beta, s, \lambda$  and  $v$ . ...

[Cited by 156](#) - [Related Articles](#) - [Web Search](#)

### [Independent unbiased coin flips from a correlated biased source—A finite state \*\*markov chain\*\* - all 3 versions »](#)

M Blum - Combinatorica, 1986 - Springer

... The **Markov Chain** (MC) is a finite set of labeled states  $S_1 \dots S_n$ . Out of each state

$S_i$  ... I) **Initialize**: Set state-bit  $(S_i) = 2$  for all  $i$ . Set  $i := 1$  [Comment: Enter ...

[Cited by 78](#) - [Related Articles](#) - [Web Search](#)

### [Estimation of generalized multisensor hidden \*\*Markov\*\* chains and unsupervised image segmentation - all 14 versions »](#)

N Giordana, W Pieczynski - IEEE Transactions on Pattern Analysis and Machine ..., 1997 - doi.ieee.org

... To **initialize** the three methods we take and if  $i \neq j$  for  $i, j$  ... distributions [14], and

$F_3$  denotes Gaussian distributions, along with the **Markov chain** defined by ...

[Cited by 96](#) - [Related Articles](#) - [Web Search](#)

### [Modeling Spatial Variability with One and Multidimensional Continuous-Lag \*\*Markov Chains\*\* - all 3 versions »](#)

SF Carle, GE Fogg - Mathematical Geology, 1997 - Springer

... The continuous-lag **Markov chain** provides a conceptually simple, mathematically compact, and theoretically powerful model of spatial variability for categorical ...

[Cited by 82](#) - [Related Articles](#) - [Web Search](#)

[Characterization results and \*\*Markov chain\*\* Monte Carlo algorithms including exact simulation for some ... - all 8 versions »](#)

HAËGÈM OLLE, NMVANL MARIE-COLETTE - Bernoulli, 1999 - projecteuclid.org

Page 1. Characterization results and **Markov chain** Monte Carlo algorithms including exact ... **Markov chain** Monte Carlo algorithms for spatial point processes 643 ...

[Cited by 81](#) - [Related Articles](#) - [Web Search](#)

[Numerical Methods in \*\*Markov Chain\*\* Modeling - all 11 versions »](#)

B Philippe, Y Saad, WJ Stewart - Operations Research, 1992 - JSTOR

... Methods in **Markov Chain** Modeling / 1165 is used as an initial guess. ... Algorithm Arnoldi  
Step 1. **Initialize**: Choose an initial vector  $v_1$  of norm unity. ...

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[Introduction to general state-space \*\*Markov chain\*\* theory](#)

L Tierney - **Markov Chain** Monte Carlo in Practice, 1996 - books.google.com

4 Introduction to general state-space **Markov chain** theory Luke Tierney 4.1 Introduction

**Markov chain** Monte Carlo is a method for exploring a distribution in ...

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[Studying Convergence of \*\*Markov Chain\*\* Monte Carlo Algorithms Using Coupled Sample Paths. - all 6 versions »](#)

VE Johnson - Journal of the American Statistical Association, 1996 - questia.com

... 9) random variables were repeatedly drawn and used to **initialize** the coupled ... and  
Smith, RL (1994), "Convergence Diagnostics for **Markov Chain** Samplers," preprint ...

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